

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**Applicant** : Gregory R. Black  
**Serial No.** : Not Yet Assigned (Continuation of 09/490,687)  
**Docket No.** : 60,512-002  
**Filed** : Concurrently Herewith  
**Title** : METHOD FOR IDENTITY VERIFICATION

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**PRELIMINARY AMENDMENT AND  
SUBMISSION OF FORMAL DRAWINGS**

Assistant Commissioner of Patents & Trademarks  
Washington, D.C. 20231

Dear Sir:

Prior to examination, please amend the present application as follows:

**IN THE SPECIFICATION**

Please delete the paragraph of page 1, lines 1-19 and insert the following

This Application is related to and claims priority to U.S. Patent Application serial no. 09/535,411 file March 24, 2000 which claims priority to U.S. Serial No. 09/490,687 entitled "Writing Implement For Identity Verification System" Filed 20 January 2000, U.S. Provisional Application No. 60/177,390 entitled "Writing Implement for Identity Verification System" filed 20 January 2000, U.S. Provisional Application No. 60/163,433, entitled "Writing Implement for Identity Verification System filed 11 November 1999, U.S. Provisional Application No. 60/154,590 entitled "Writing Implement for Identification Verification System" filed 17 September 1999, U.S. Provisional Application No. 60/144,028 entitled "Biometric Pen and Encryption Device" filed 16 July 1999, PCT Application No. PCT/US99/07900 entitled "Biometric Hotel and Casino Play" filed 07 April 1999, U.S. Provisional Application No.

60/119,408 entitled "Identification Confirmation System" filed 10 February 1999, U.S. Provisional Application No. 60/116,212 entitled "Identification Confirmation System" filed 19 January 1999, U.S. Provisional Application No. 60/114,632 entitled "Identification Confirmation System" filed 04 January 1999, U.S. Provisional Application No. 60/109,511 entitled "Biometric Writing Implement" filed 23 November 1998, U.S. Provisional Application No. 60/088,498 entitled "Biometric Hotel and Casino Play" filed 08 June 1998, and U.S. Provisional Application No. 60/080,962 entitled "Biometric Hotel and Casino Play" filed 07 April 1998.

**IN THE CLAIMS**

Please cancel claims 2-19.

Please add the following new claims 20-51.

20. (New) A stylus for use as an identity verification device, the stylus being coupled to a processor, comprising:

a stylus body; and,

a sensor coupled to the stylus body, the sensor being adapted to capture a thumbprint of a user as a user finger touches the sensor coupled to the stylus body .

21. (New) A stylus, as set forth in claim 20, wherein the sensor is coupled to the processor, the processor being adapted to compare the captured thumbprint with a reference thumbprint to confirm user identity .

22. (New). A stylus, as set forth in claim 20, wherein the sensor is coupled to the processor, the processor being adapted to compare the captured thumbprint with a plurality of reference thumbprints in search of a match.

23. (New). A stylus, as set forth in claim 20, wherein the processor is contained within the stylus body.

24. (New). A stylus, as set forth in claim 20, wherein the sensor is a digital sensor.

25. (New). A stylus, as set forth in claim 20, including a memory device coupled to the sensor for storing the captured thumbprint.

26. (New) A stylus, as set forth in claim 20, wherein the sensor is adapted to capture a second print.

27. (New) A stylus, as set forth in claim 26, wherein the sensor is adapted to capture the thumbprint and the second print of the user at the same time.

28. (New) A stylus, as set forth in claim 20, including a second sensor coupled to the stylus body, the second sensor being adapted to capture a second print .

29. (New) An identity verification device, comprising:

- a stylus having a body;
- a sensor coupled to the body, the sensor being adapted to capture a thumbprint of a user as a user thumb touches the stylus body;
- a memory device for storing at least one reference print; and,
- a processor coupled to the sensor and the memory device, the processor being adapted to receive the captured thumbprint, the processor being adapted to compare the captured thumbprint with the at least one reference print.

30. (New) An identity verification device, as set forth in claim 29, wherein the processor is adapted to compare the captured thumbprint with the reference print to confirm the user identity.

31. (New) An identity verification device, as set forth in claim 29, wherein the processor is adapted to compare the captured thumbprint with a plurality of reference prints in search of a match.

32. (New) An identity verification device, as set forth in claim 29, wherein the processor is contained within the stylus body.

33. (New) An identity verification device, as set forth in claim 29, wherein the processor is contained within an external system and wherein the stylus is digital communication with the external system.

34. (New) An identity verification device, as set forth in claim 29, wherein the sensor is a digital sensor.

35. (New) An identity verification device, as set forth in claim 29, wherein the memory device is adapted to store the captured thumbprint.

36. (New) An identity verification device, as set forth in claim 29, wherein the sensor is adapted to capture a second print .

37. (New) An identity verification device, as set forth in claim 36, wherein the sensor is adapted to capture the thumbprint and the second print of the user at the same time.

38. (New) An identity verification device, as set forth in claim 29, including a second sensor coupled to the body, the second sensor being adapted to capture a second print.

39. (New) An identity verification device, as set forth in claim 29, wherein the stylus is a pen and includes an ink tube.

40. (New) A stylus, comprising:  
a body;  
a sensor coupled to the body, the sensor being adapted to capture a fingerprint of a user as the user grasps the stylus;  
a memory device within the body and being adapted to store at least one reference fingerprint; and,  
a processor within the body and being coupled to the sensor and the memory device, the processor being adapted to receive the captured fingerprint, the memory device being adapted to compare the captured fingerprint with the at least one reference fingerprint.

41. (New) A stylus, as set forth in claim 40, wherein the processor is adapted to compare the captured fingerprint with the at least one reference print to confirm user identity.

42. (New) A stylus, as set forth in claim 40, wherein the processor is adapted to compare the captured fingerprint with a plurality of reference prints in search of a match.

43. (New) A stylus, as set forth in claim 40, wherein the sensor is a digital sensor.

44. (New) A stylus, as set forth in claim 40, wherein the memory device is adapted to store the captured thumbprint.

45. (New) A stylus, as set forth in claim 40, wherein the sensor is adapted to capture a second print.

46. (New) A stylus, as set forth in claim 40, including a second sensor coupled to the body, the second sensor being adapted to capture a second print.

47. (New). A stylus, as set forth in claim 40, wherein the stylus is a pen and includes an ink tube.

48. (New). A stylus, comprising:

a body;

a sensor coupled to the body, the sensor being adapted to capture a fingerprint of a user as a user finger touches the stylus body;

a memory device within the body, the memory device being adapted to store at least one reference fingerprint; and,

a processor within the stylus body and being coupled to the sensor, the processor being coupled to the memory device, the processor being adapted to receive the captured fingerprint, the processor being adapted to store the captured fingerprint within the memory device, and the memory device being adapted to compare the captured fingerprint with the at least one reference fingerprint.

49. (New) A stylus, as set forth in claim 48, wherein the processor is adapted to compare the captured fingerprint with the at least one reference print to confirm user identity.

50. (New) A stylus, as set forth in claim 48, wherein the processor is adapted to compare the captured thumbprint with a plurality of reference prints in search of a match.

51. (New). A stylus, as set forth in claim 48, wherein the sensor is a digital sensor.



**REMARKS**

No new matter is added by the amendment. The present application is a continuation of application serial no. 09/535,411 filed March 24, 2000. By this amendment claims 1-19 are cancelled and new claims 20-51 are added. An early Notice of Allowance is solicited. If the Examiner believes that a telephone interview would be beneficial, please contact the undersigned at the number indicated.

Applicant also submits herewith eighteen sheets of formal drawings for the above-identified application

**Respectfully submitted,**

**HOWARD & HOWARD ATTORNEYS, P.C.**

Date

10/12/01

  
James R. Yee, Registration No. 34,460

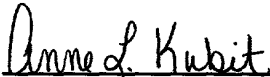
The Pinehurst Office Center, Suite #101

39400 Woodward Avenue

Bloomfield Hills, MI 48304-5151

**CERTIFICATE OF EXPRESS MAILING**

I hereby certify that the enclosed **CONTINUATION PATENT APPLICATION** and fee is being deposited with the United States Postal Service as Express Mail, postage prepaid, in an envelope as "Express Mail Post Office to Addressee", Mailing Label No. **EL858272980US** and addressed to the Assistant Commissioner of Patents, Washington, D. C. 20231, on **October 12, 2001.**

  
Anne L. Kubit

**VERSION WITH MARKS TO SHOW CHANGES MADE**

On page 1, delete the paragraph on lines 1-19 and insert the following:

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25. (New) A stylus, as set forth in claim 20, including a memory device coupled to the sensor for storing the captured thumbprint.

26. (New) A stylus, as set forth in claim 20, wherein the sensor is adapted to capture a second print.

27. (New) A stylus, as set forth in claim 26, wherein the sensor is adapted to capture the thumbprint and the second print of the user at the same time.

28. (New) A stylus, as set forth in claim 20, including a second sensor coupled to the stylus body, the second sensor being adapted to capture a second print.

29. (New) An identity verification device, comprising:  
a stylus having a body;  
a sensor coupled to the body, the sensor being adapted to capture a  
thumbprint of a user as a thumb touches the stylus body;  
a memory device for storing at least one reference point; and,  
a processor coupled to the sensor and the memory device, the processor  
being adapted to receive the captured thumbprint, the processor being adapted to compare the  
captured thumbprint with the at least one reference print.

30. (New) An identity verification device, as set forth in claim 29, wherein the processor is adapted to compare the captured thumbprint with the reference print to confirm the user identity.

31. (New) An identity verification device, as set forth in claim 29, wherein the processor is adapted to compare the captured thumbprint with a plurality of reference prints in search of a match.

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34. (New) An identity verification device, as set forth in claim 29, wherein the sensor is a digital sensor.

35. (New) An identity verification device, as set forth in claim 29, wherein the memory device is adapted to store the captured thumbprint.

36. (New) An identity verification device, as set forth in claim 29, wherein the sensor is adapted to capture a second print.

37. (New) An identity verification device, as set forth in claim 36, wherein the sensor is adapted to capture the thumbprint and the second print of the user at the same time.

38. (New) An identity verification device, as set forth in claim 29, including a second sensor coupled to the body, the second sensor being adapted to capture a second print.

39. (New) An identity verification device, as set forth in claim 29, wherein the stylus is a pen and includes an ink tube.

40. (New) A stylus, comprising:  
a body;  
a sensor coupled to the body, the sensor being adapted to capture a fingerprint of a user as the user grasps the stylus;  
a memory device within the body and being adapted to store at least one reference fingerprint; and,

a processor within the body and being coupled to the sensor and the memory device, the processor being adapted to receive the captured fingerprint, the memory device being adapted to compare the captured fingerprint with at least one reference fingerprint.

41. (New) A stylus, as set forth in claim 40, wherein the processor is adapted to compare the captured fingerprint with the at least one reference print to confirm user identity.

42. (New) A stylus, as set forth in claim 40, wherein the processor is adapted to compare the captured fingerprint with a plurality of reference prints in search of a match.

43. (New) A stylus, as set forth in claim 40, wherein the sensor is a digital sensor.

44. (New) A stylus, as set forth in claim 40, wherein the memory device is adapted to store the captured thumbprint.

45. (New) A stylus, as set forth in claim 40, wherein the sensor is adapted to capture a second print.

46. (New) A stylus, as set forth in claim 40, including a second sensor coupled to the body, the second sensor being adapted to capture a second print.

47. (New) A stylus, as set forth in claim 40, wherein the stylus is a pen and includes an ink tube.

48. (New) A stylus, comprising:

a body;

a sensor coupled to the body, the sensor being adapted to capture a fingerprint of a user as a user finger touches the stylus body;

a memory device within the body, the memory device being adapted to store at least one reference fingerprint; and,

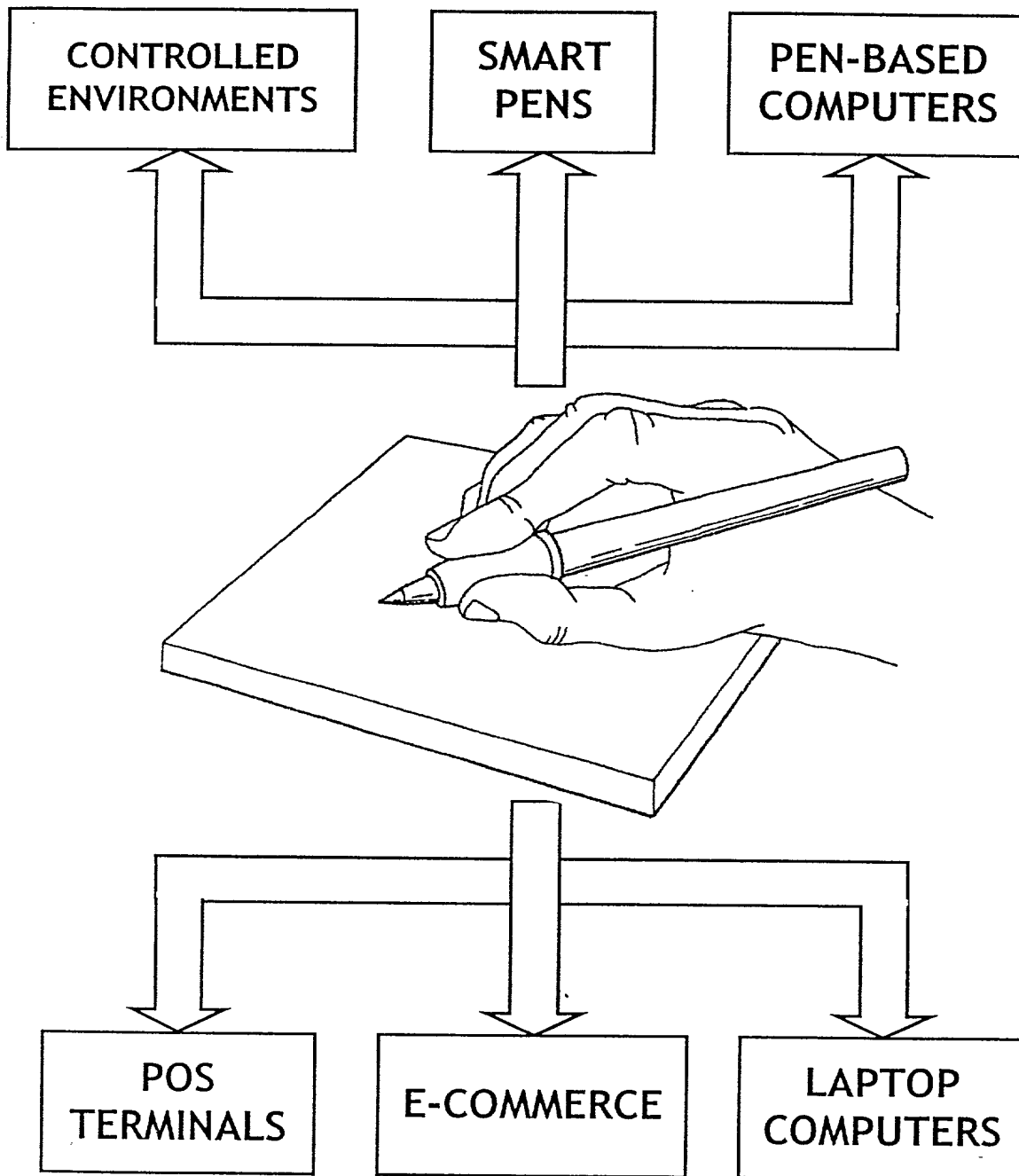
a processor within the stylus body and being coupled to the sensor, the processor being coupled to the memory device, the processor being adapted to receive the captured fingerprint, the processor being adapted to store the captured fingerprint within the memory device, and the memory device being adapted to compare the captured fingerprint with the at least one reference fingerprint.

49. (New) A stylus, as set forth in claim 48, wherein the processor is adapted to compare the captured fingerprint with the at least one reference print to confirm user identity.

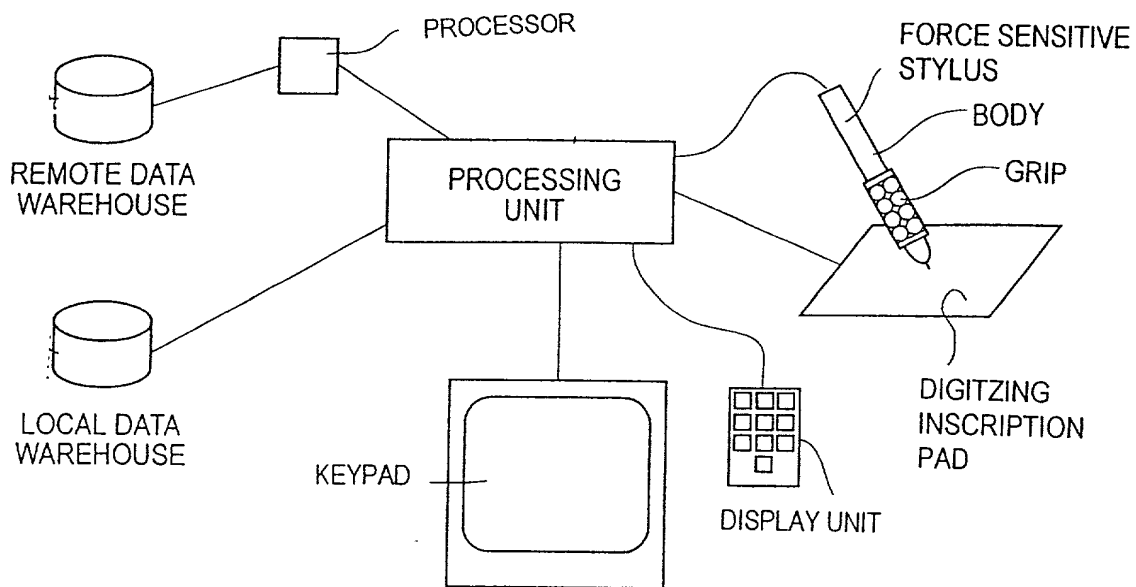
50. (New) A stylus, as set forth in claim 48, wherein the processor is adapted to compare the captured thumbprint with a plurality of reference prints in search of a match.

51. (New) A stylus, as set forth in claim 48, wherein the sensor is a digital sensor.

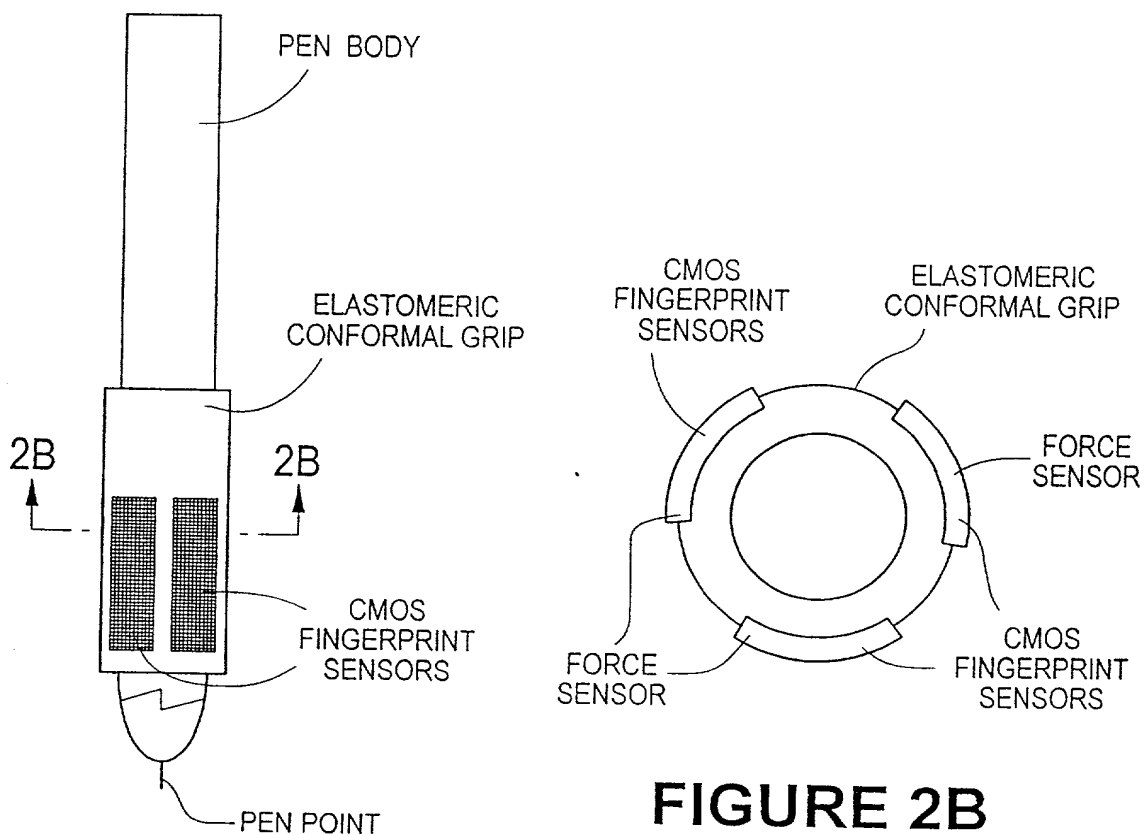




**FIGURE 1A**



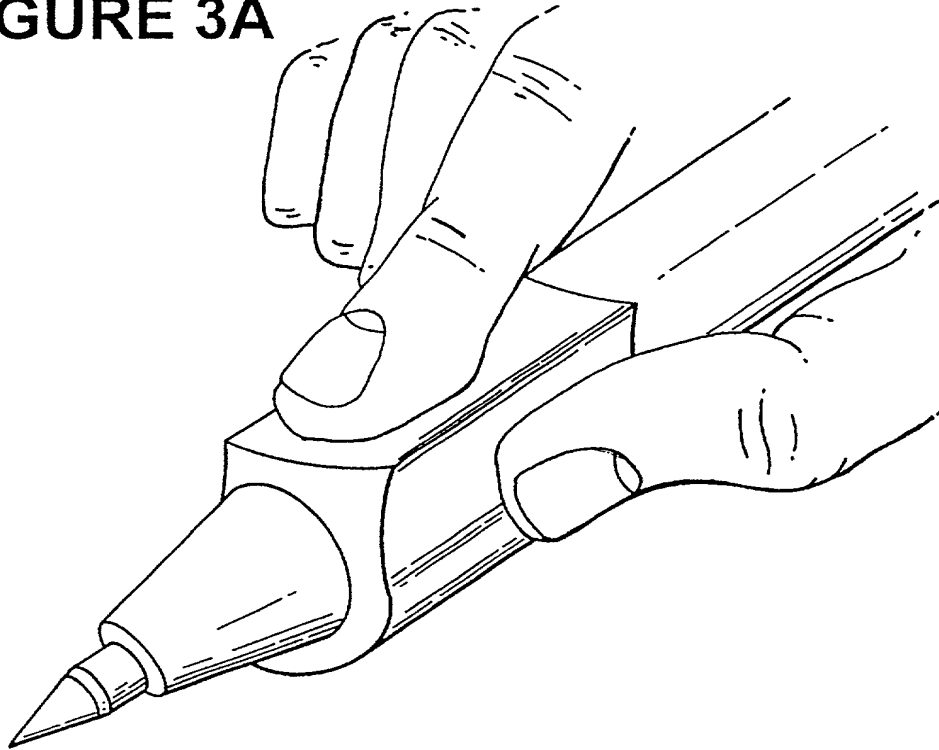
**FIGURE 1B**



**FIGURE 2A**

**FIGURE 2B**

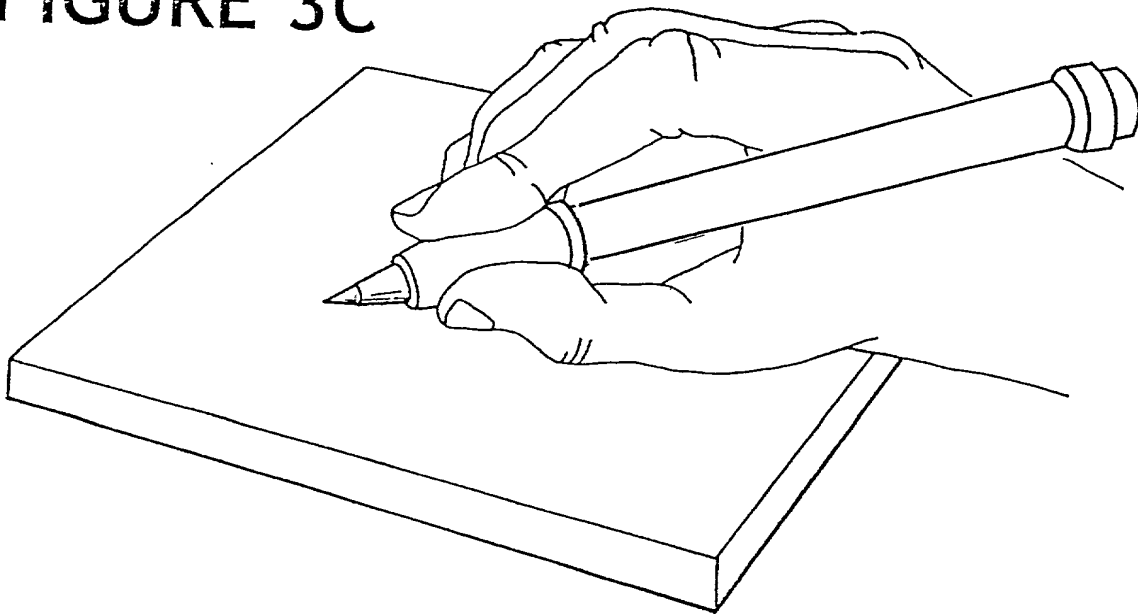
**FIGURE 3A**



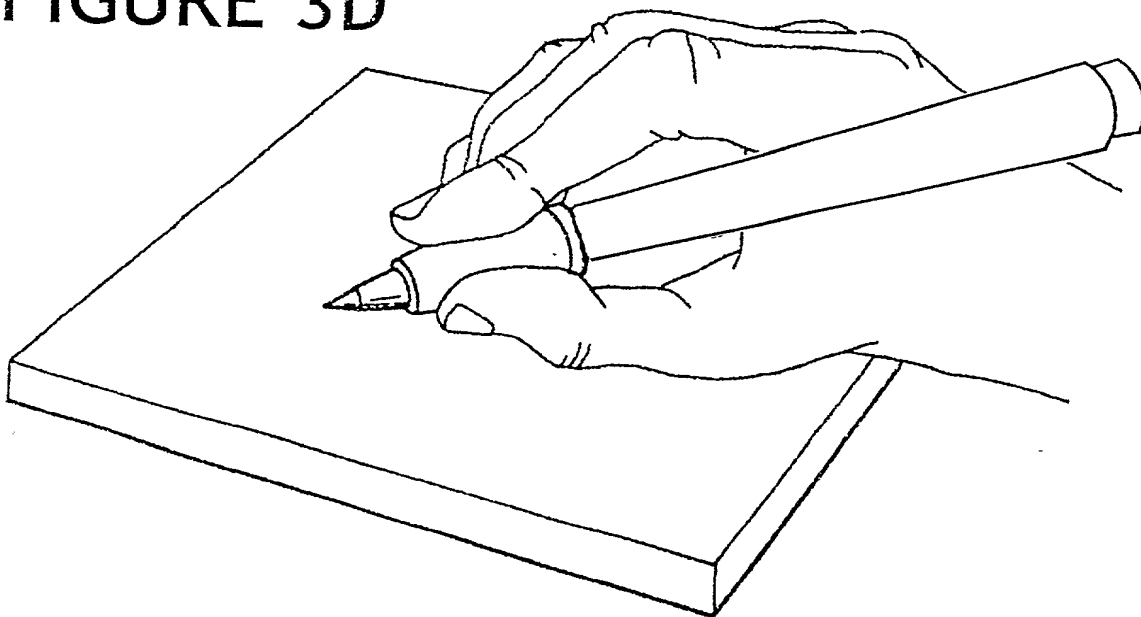
**FIGURE 3B**



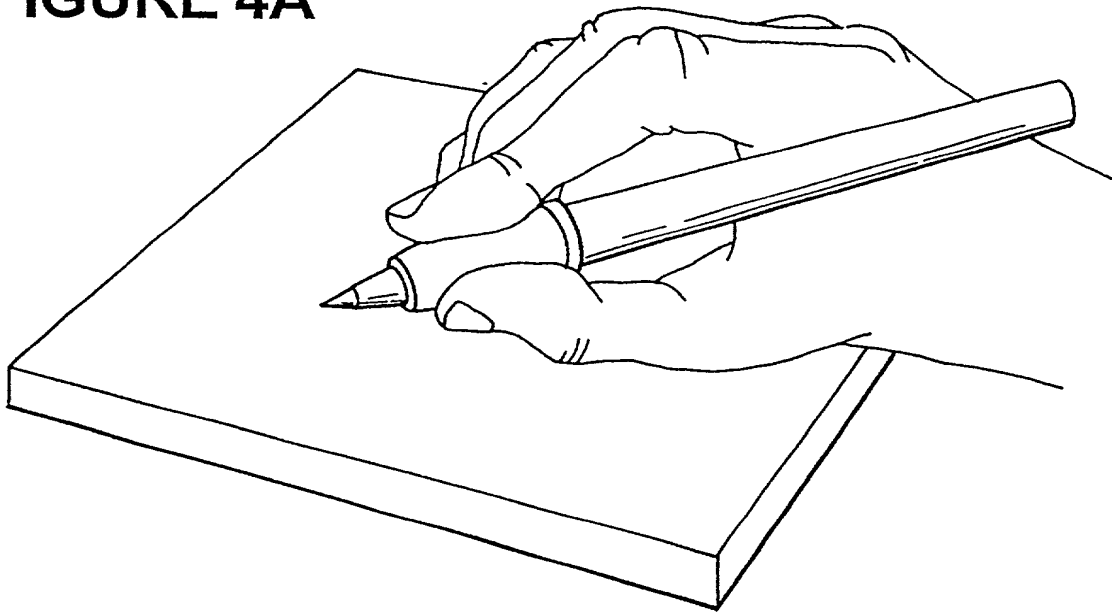
**FIGURE 3C**



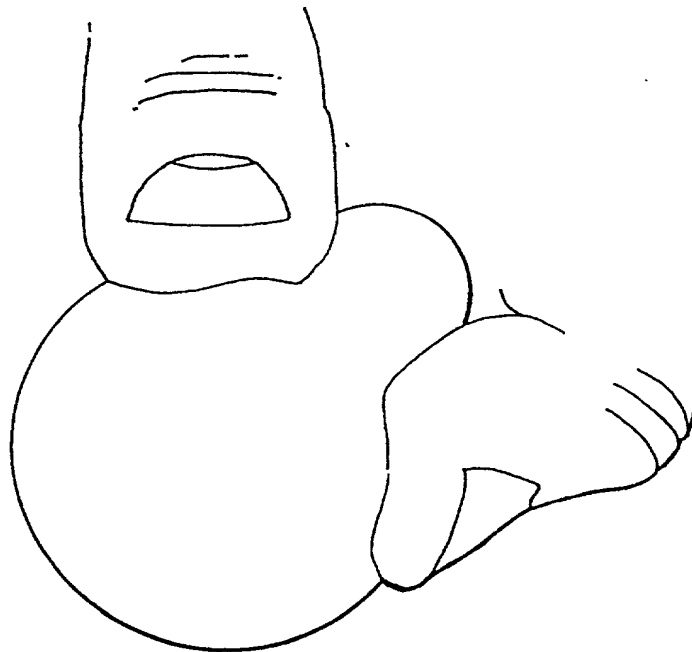
**FIGURE 3D**



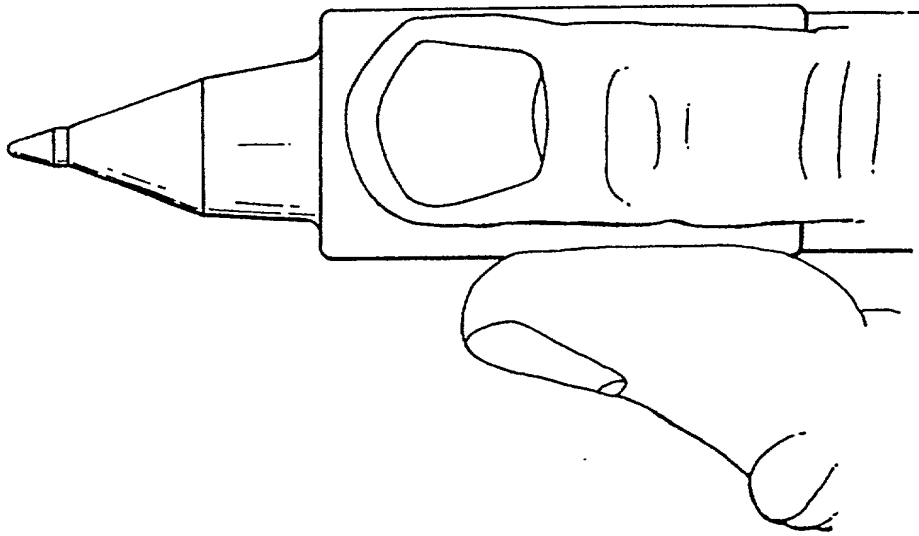
**FIGURE 4A**



**FIGURE 4B**



**FIGURE 4C**



**FIGURE 4D**

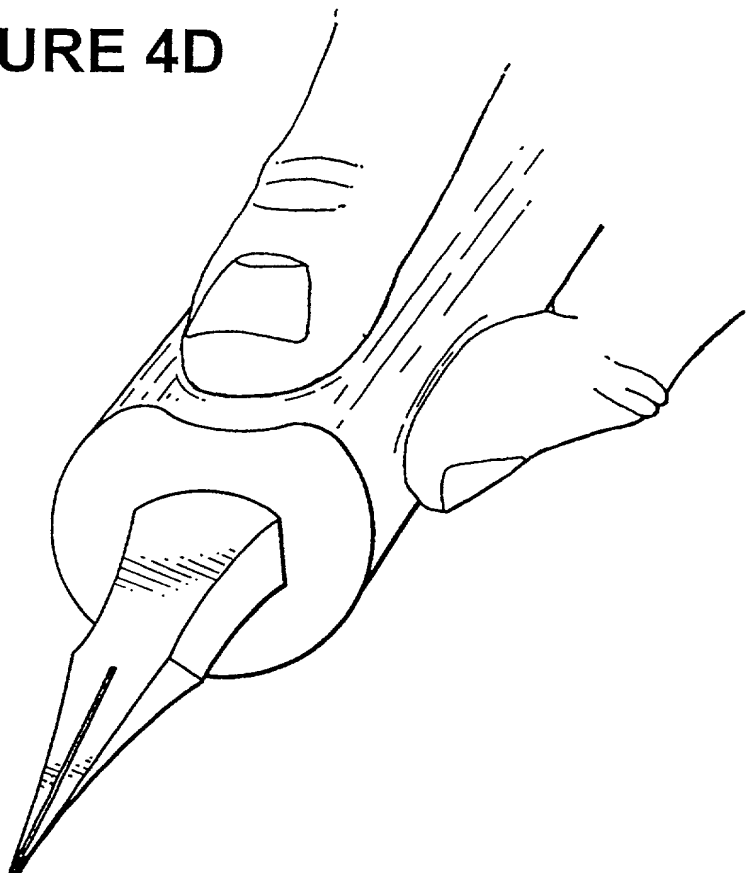


FIGURE 5A

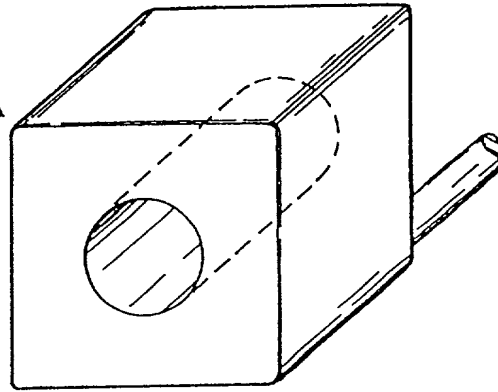


FIGURE 5B

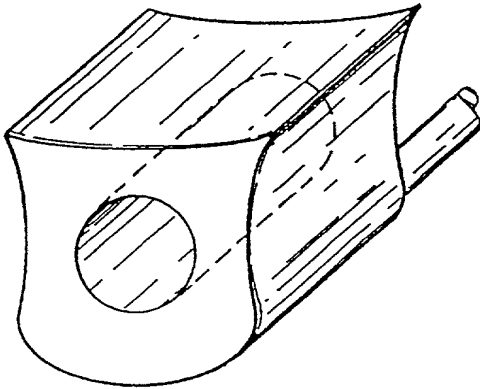


FIGURE 5C

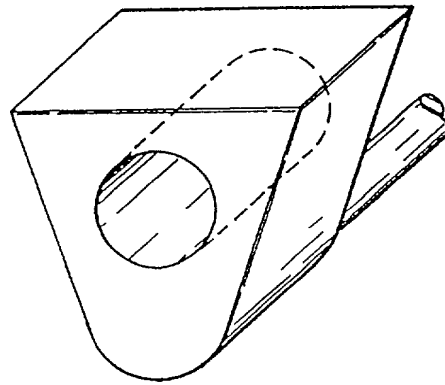


FIGURE 5D

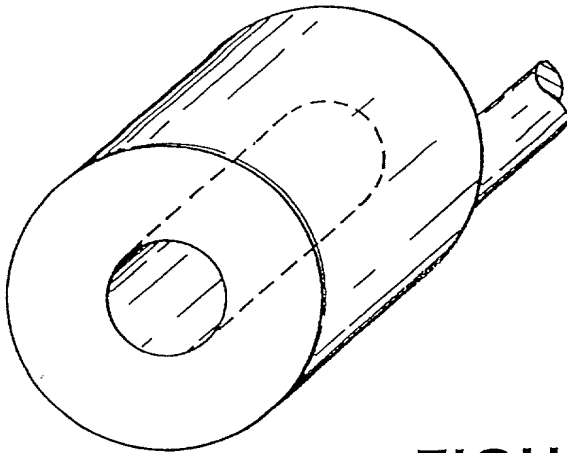
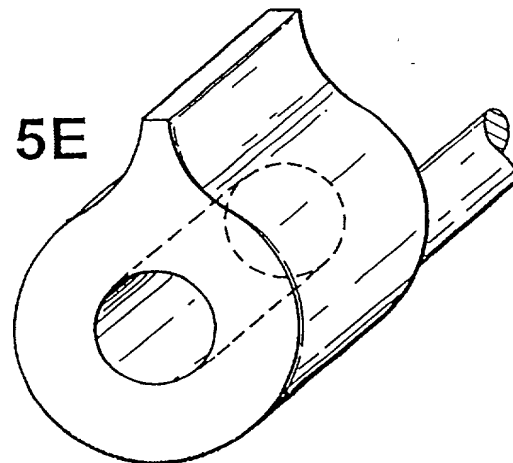
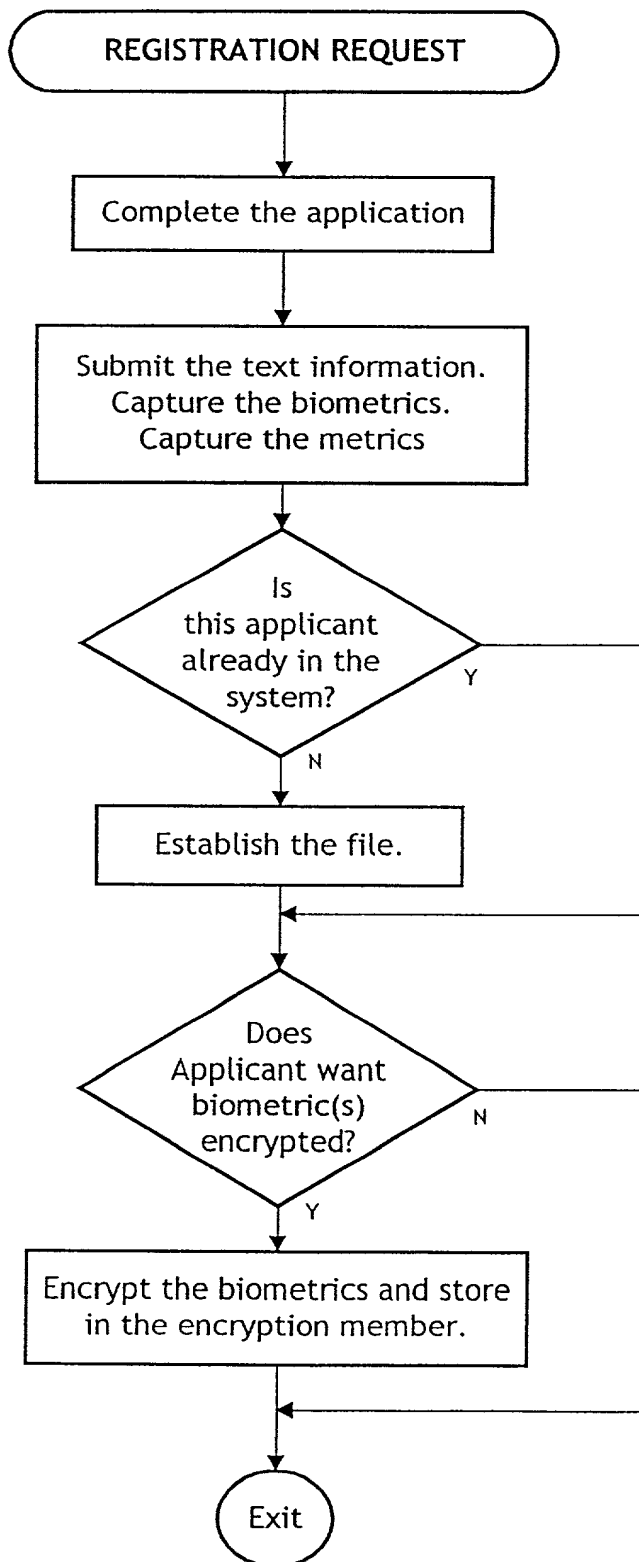


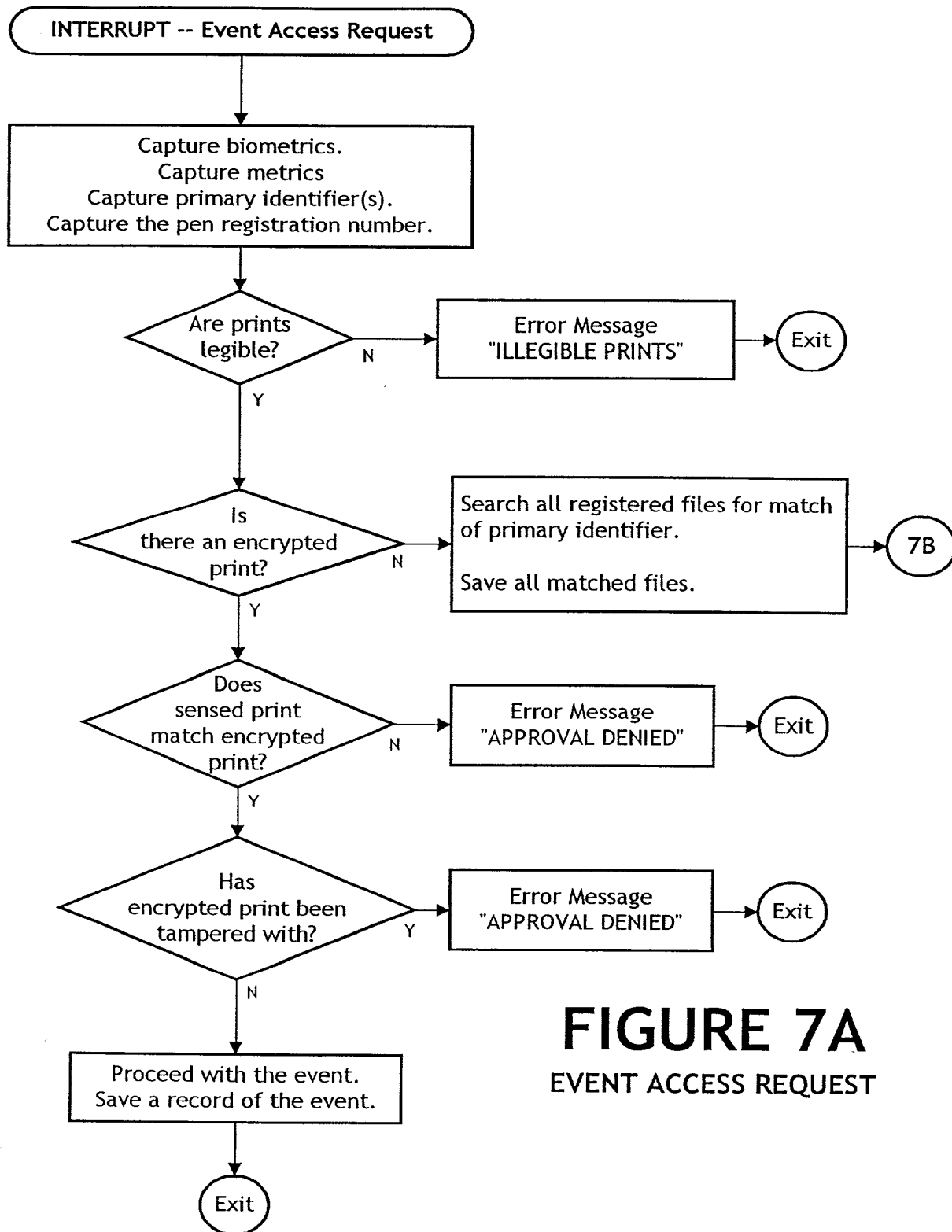
FIGURE 5E



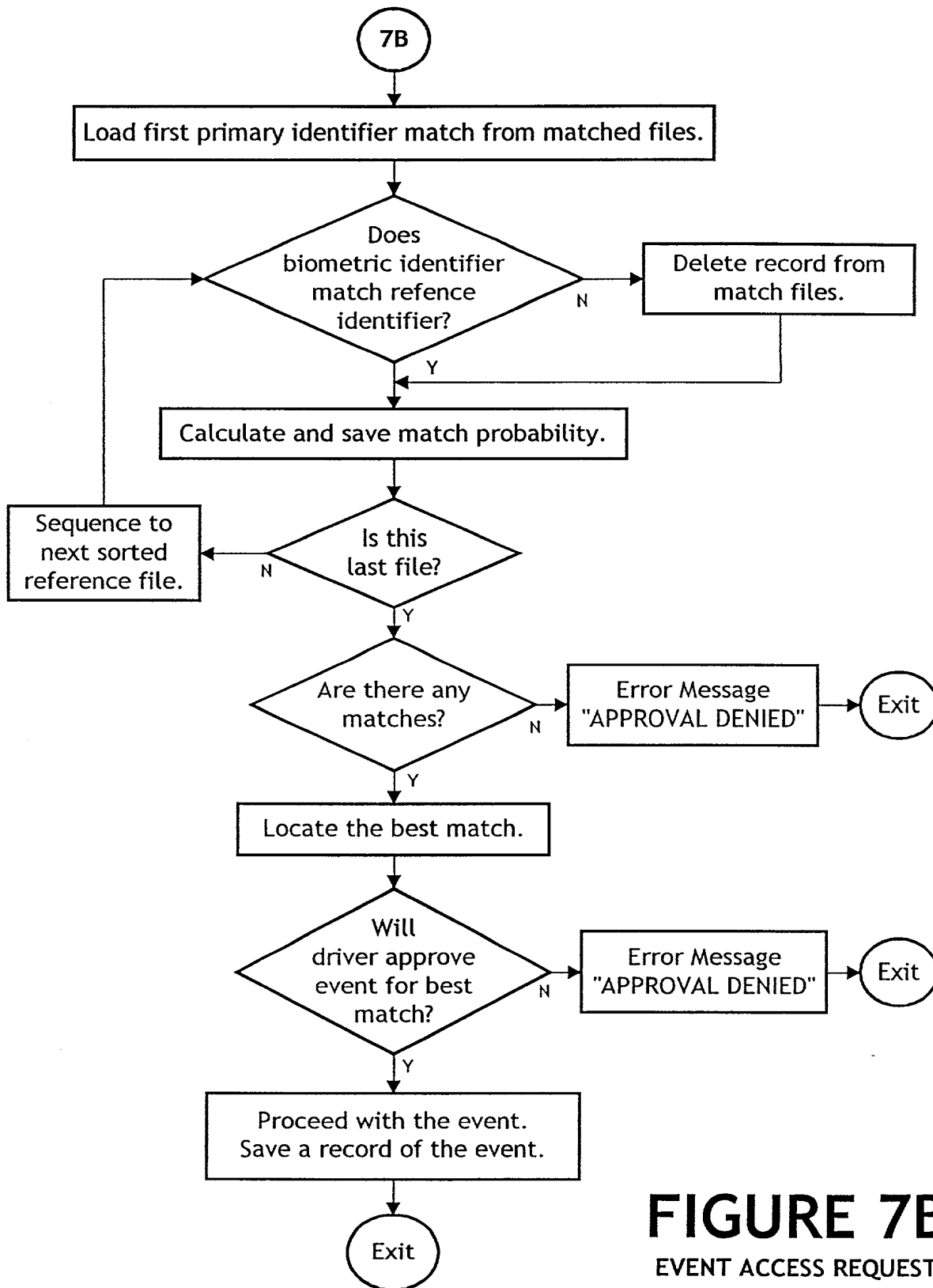


**FIGURE 6**  
REGISTRATION

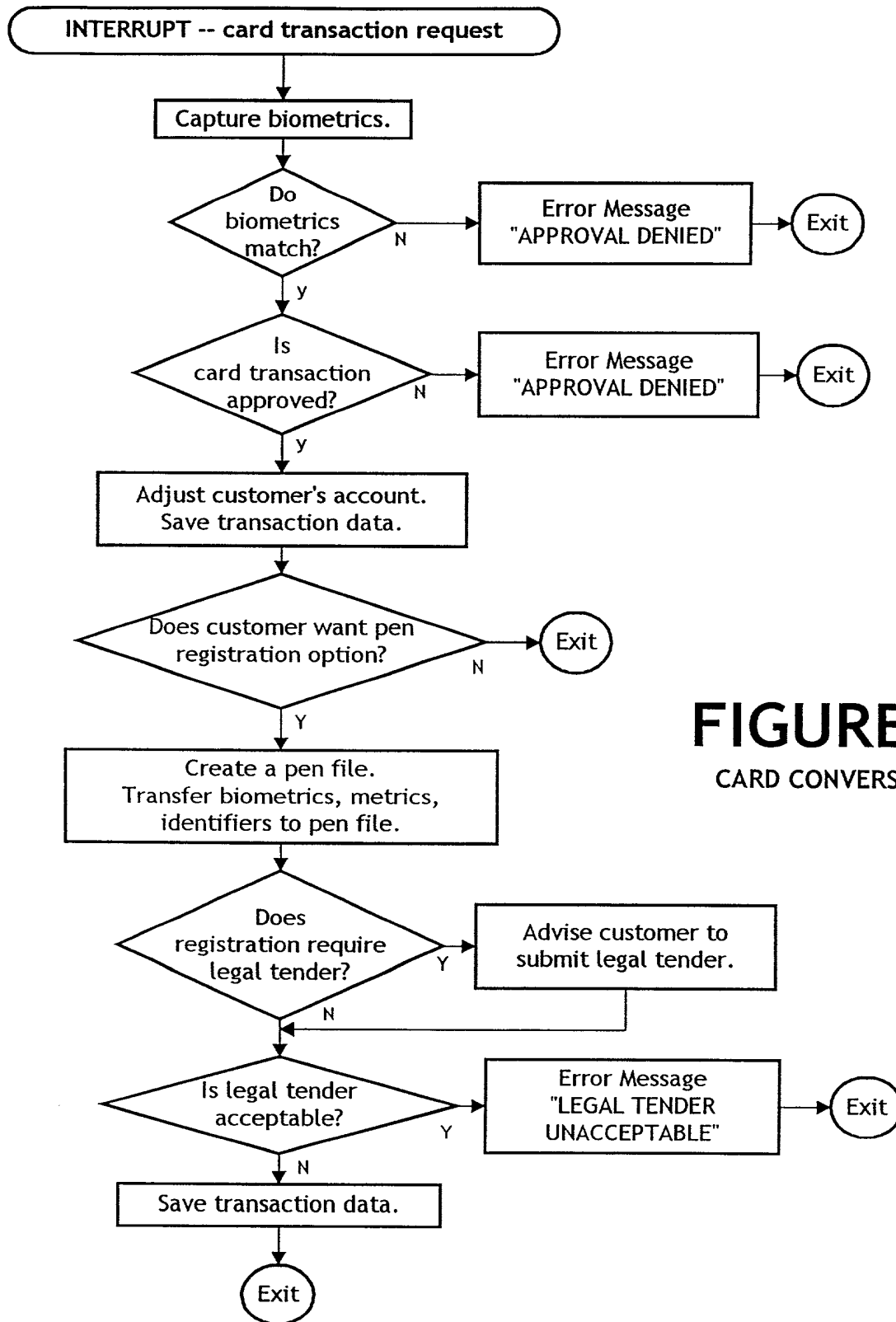




**FIGURE 7A**  
EVENT ACCESS REQUEST



**FIGURE 7B**  
EVENT ACCESS REQUEST

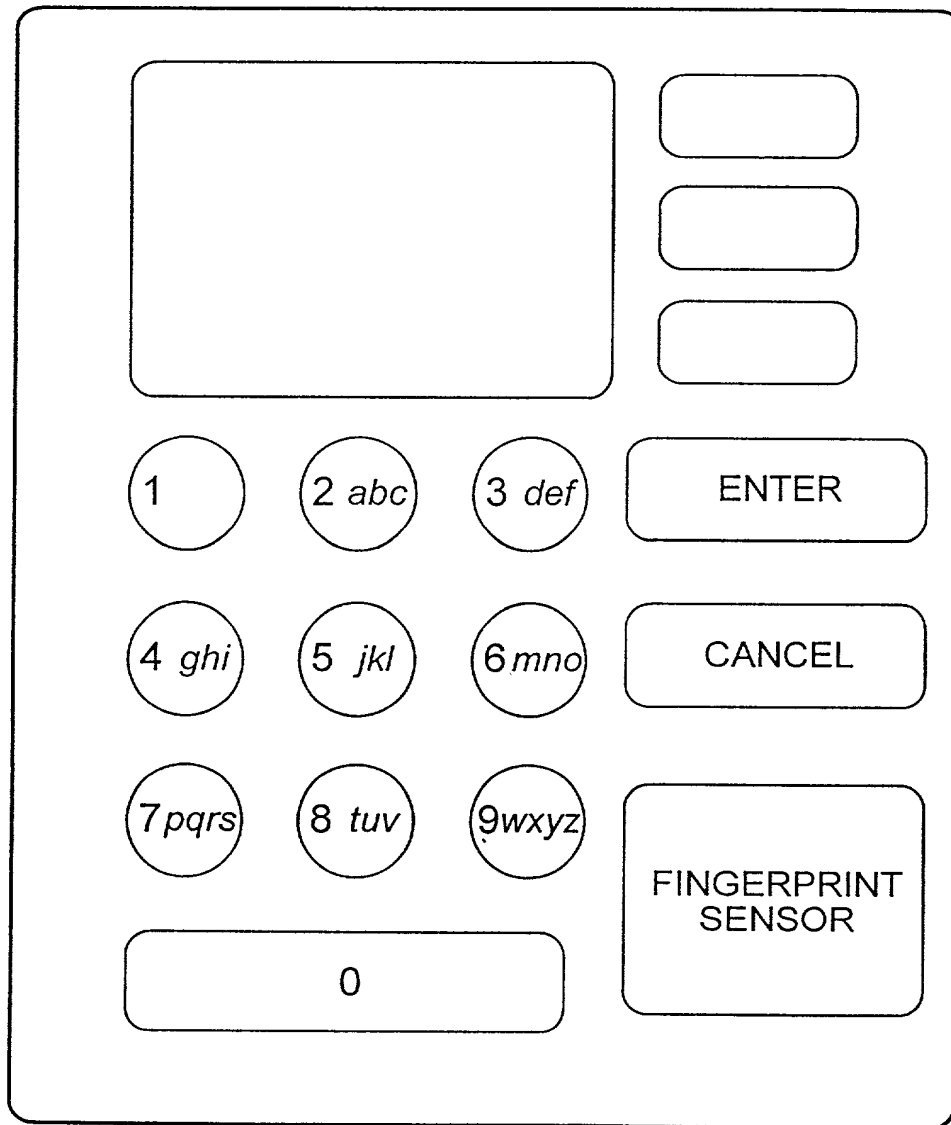


**FIGURE 8**  
CARD CONVERSION

Select One	Enter
Credit Card A	ATM Card
Credit Card B	Store Credit Card
Credit Card C	Checking Account

**FIGURE 9**

**FIGURE 10**



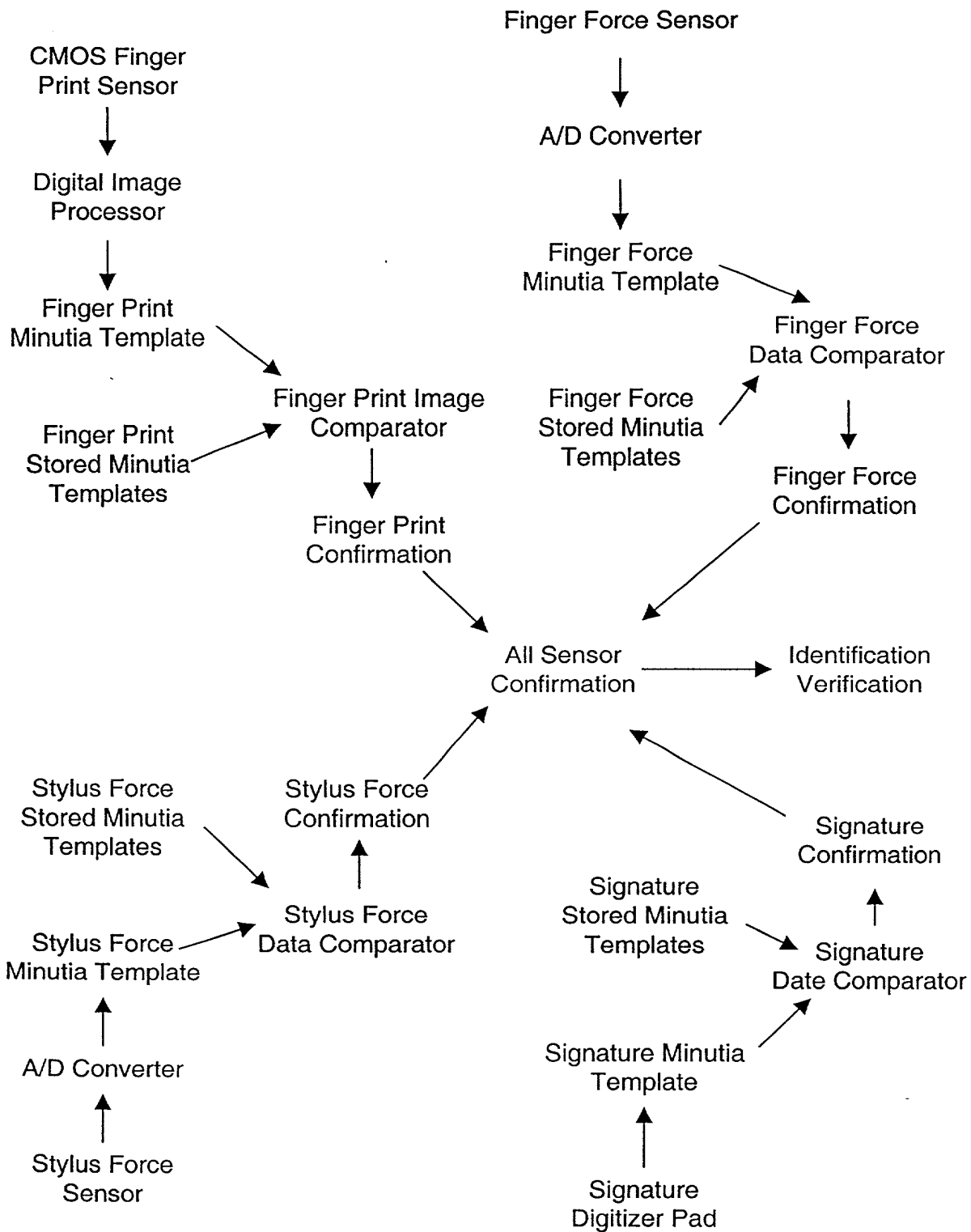


FIGURE 11

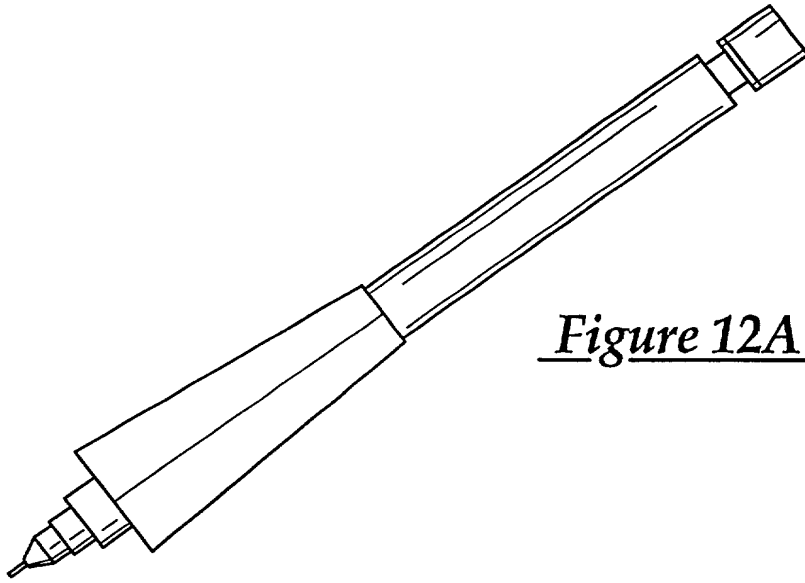


Figure 12A

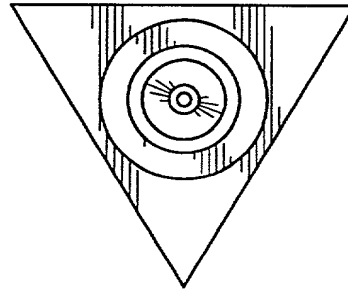


Figure 12B

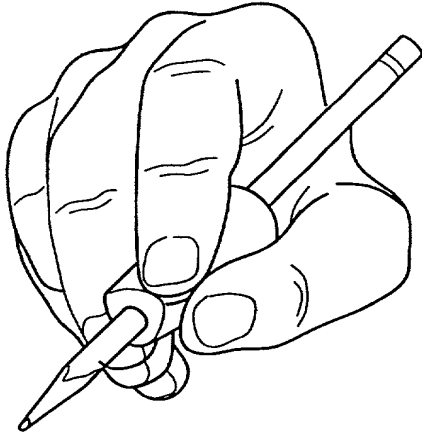


Figure 13A

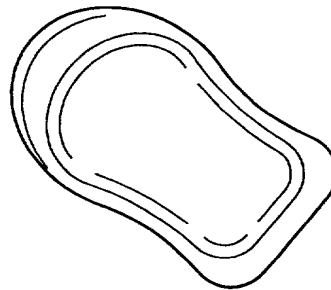


Figure 13B

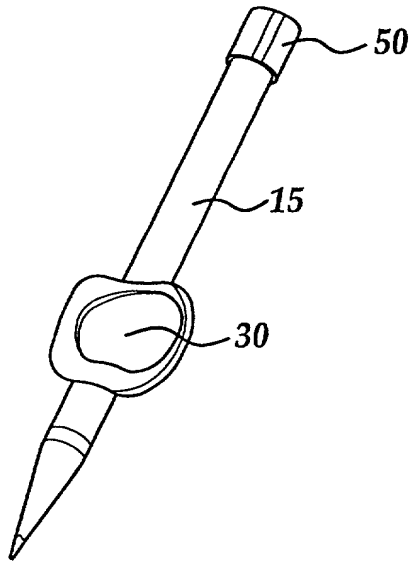


Figure 14A

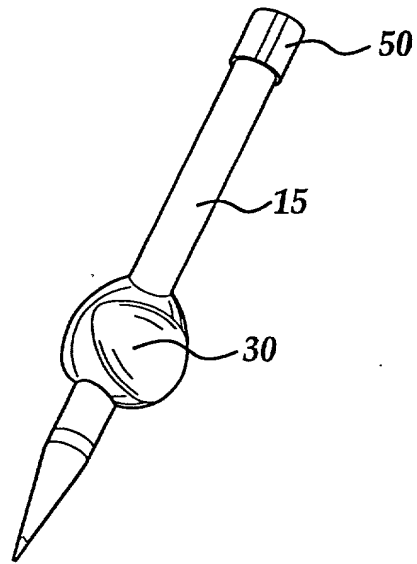


Figure 14B

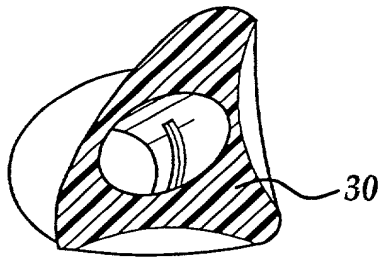


Figure 14C

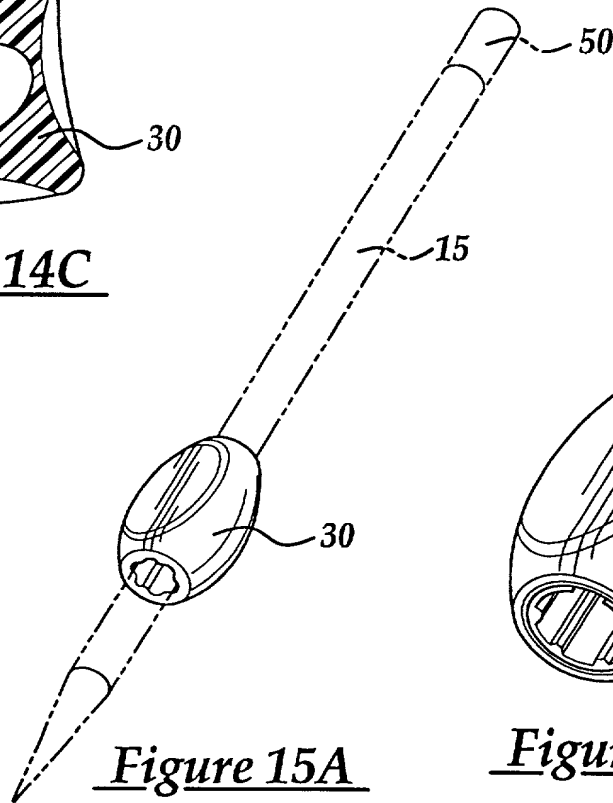


Figure 15A

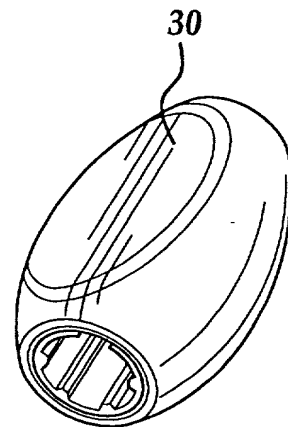


Figure 15B



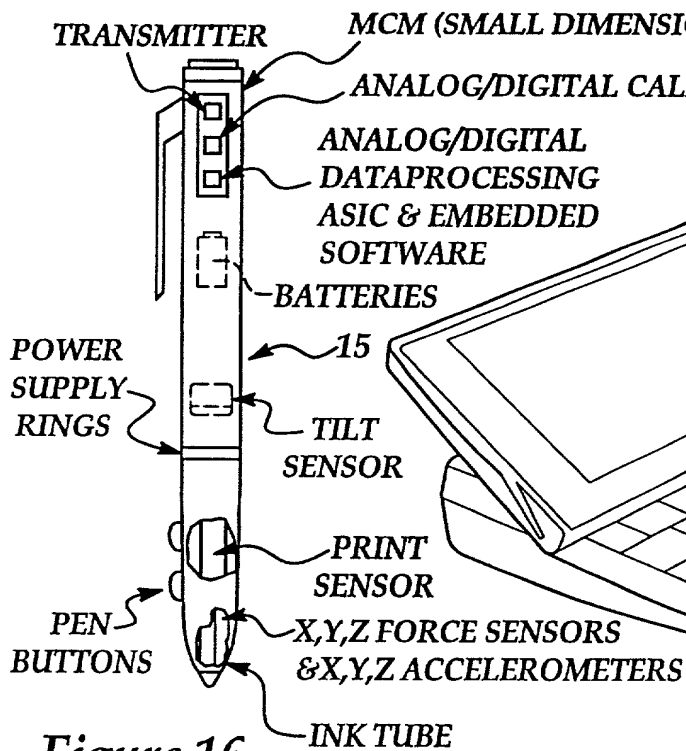


Figure 16

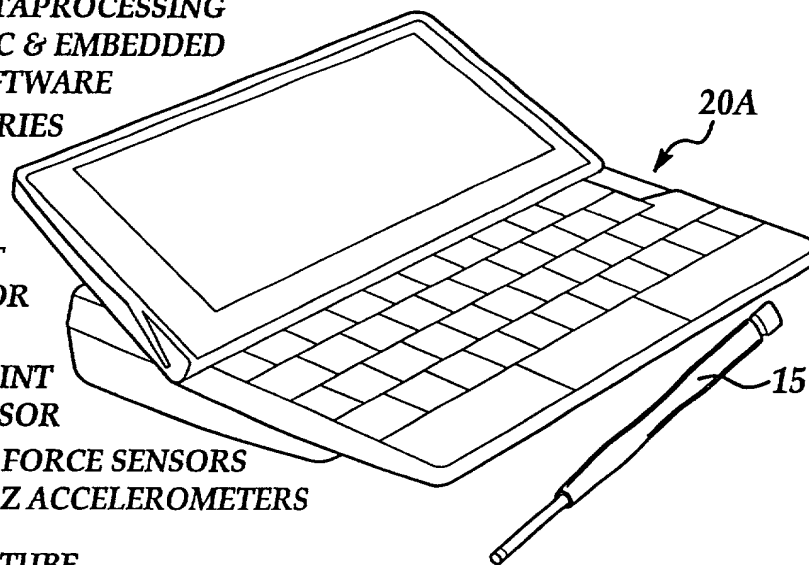


Figure 17A

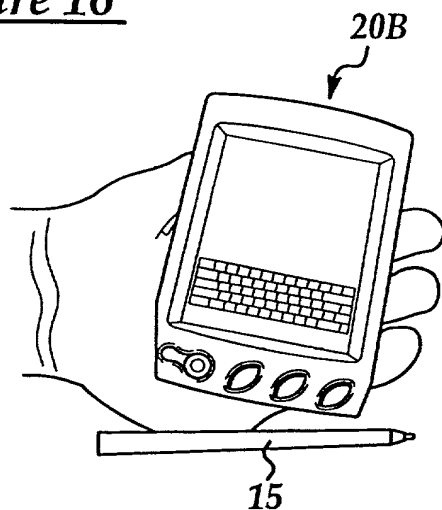


Figure 17B

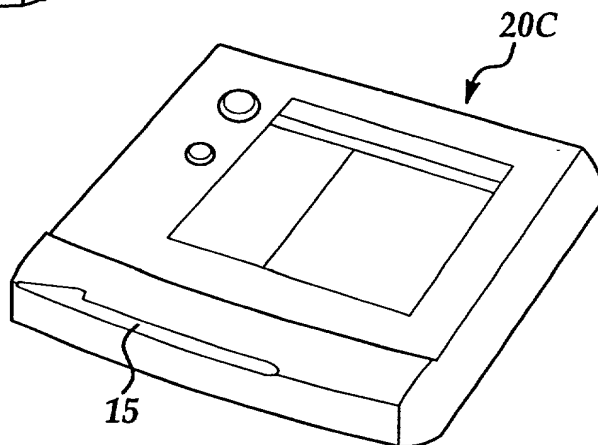


Figure 17C

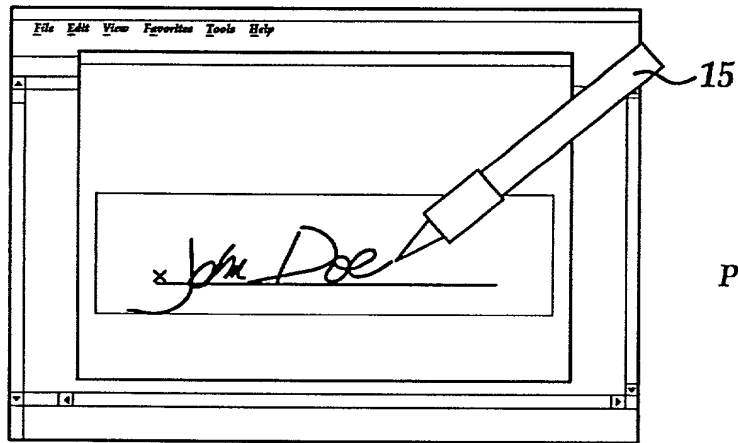


Figure 18

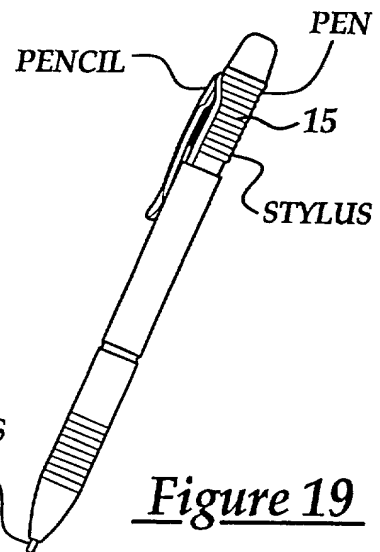


Figure 19

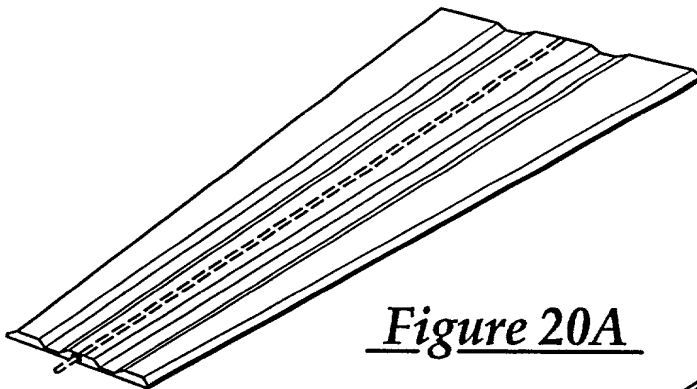


Figure 20A

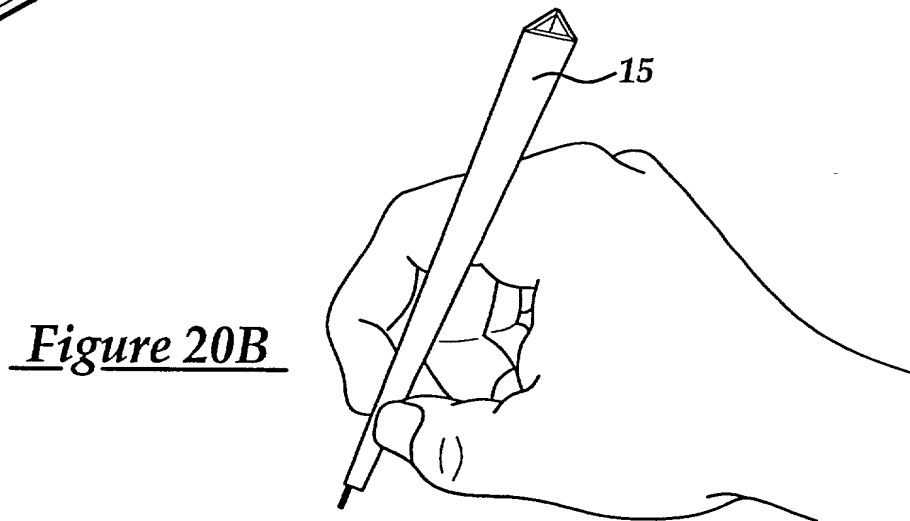


Figure 20B